



# Transformation in *Bacillus subtilis*

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## Materials

- Sterile 1.5 mL microtubes
- Plasmidial DNA
- Competent cells
- LB broth
- 1 LB plate with cloranfenicol

## Apparatus

- Water bath
- Flow chamber
- Incubator
- Centrifuge

## Method

1. Add 2  $\mu$ L of plasmidial DNA in a tube containing the competent cells;
2. Incubate the cells at 37  $^{\circ}$ C for 1h;
3. After incubation, pellet the cells by centrifugation at 10,000 rpm for 1 minute;
4. Gently resuspend the cell pellet in 800  $\mu$ L of LB broth;
5. Plate 100  $\mu$ L of the cells onto LB plate with antibiotics cloranfenicol.